IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Inventor(s)   Piotr Indyk   Shanmugavelayutham Muthukrishnan
Nikolaos Koudas

Docket No.   2000-0352
Serial No.
Filing Date
Examiner

Title   Method And System For Identifying Representative Trends Using Sketches

COMMISSIONER FOR PATENTS
WASHINGTON, D. C. 20231
SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

A copy of each of the listed documents is enclosed.

In accordance with 37 CFR § 1.97(h), by filing this Information Disclosure Statement, Applicants are not admitting that the information cited in the Statement is, or is considered to be, material to the patentability as defined in § 1.56(b).

NO FEE REQUIRED

In the event of non-payment or improper payment of a required fee, the commissioner is authorized to charge or credit **Deposit Account No. 01-2745** as required to correct the error.

Respectfully,

By _Christine Szwerc_

Christine Szwerc, Attorney
Reg. No.   43177
Phone   908-221-8930

Date: _Feb. 26, 2002_

AT&T Corp.
P.O. Box 4110
Middletown, New Jersey 07748

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 2000-0352	SERIAL NO. To be assigned
	APPLICANT Piotr INDYK, et al.	
	FILING DATE	GROUP To be assigned

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS / SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS / SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	R. Agrawal, et al., "Efficient Similarity Search in Sequence Databases." Proc. Of the 4th Int. Conference on Foundations of Data Organization and Algorithms, pages 69-84, October 1993.
	D. Barbara, et al., "The New Jersey Data Reduction Report." Data Engineering Bulletin, December 1997.
	T. H. Cormen, et al., "Introduction to Algorithms." McGraw Hill and MIT Press, pages 780-781, 1990.
	C. Faloutsos and D. Lin, "Fast Map: A Fast Algorithm for Indexing, Data Mining and Visualization of Traditional and Multimedia Data Sets." Proceedings of ACM SIGMOND, San Jose, California, pages 163-174, June 1995.
	C. Faloutose, et al., "Fast Subsequence Matching in Time Series Databases." Proceedings of ACM SIGMOND, pages 419-429, May 1994.
	A. Gionis, et al., "Similarity Search in High Dimensions via Hashing." Proceedings of VLDB, pages 518-529, September 1999.

	J. Han et al, "Efficient Mining of Partial Periodic Patterns in Time Series Databases." Proceedings of ICDE, pages 106-115, March 1999.
	J. Hellerstein, "Automated Tuning Systems: Beyond Decision Support." Computer Measurement Group, pages 263-270, December 1997.
	J. Han, et al., "Mining Segment-Wise Periodic Patterns in Time Series Databases." KDD, pages 214-218, August 1998.
	J. Hellerstein, et al., "An Approach to Predictive Detection for Service Management." Symposium on Integrated Network Management, pages 309-322, May 1999.
	J. Hellerstein, et al., "Characterizing Normal Operation of a Web Server: Application to Workload Forecasting and Capacity Planning." Computer Measurement Group, pages 150-160, December 1998.
	W.B. Johnson and J. Lindenstrauss, "Extensions of Lipshitz Mapping into Hilbert Space." Contemporary Mathematics, Vol. 26, pages 189-206, May 1984.
	K. V. Ravi Kanth, et al., "Dimentionality Reduction for Similarity in Dynamic Databases." Proceedings of ACM SIGMOD, pages 166-176, June 1998.
	J. Lee, et al., "Multi-dimensional Selectivity Estimation Using Compressed Histogram Information." Proceedings of the 1999 ACM SIGMOD Int. Conf. On Management of Data, pages 205-214, June 1999.
	Y. Matias, et al., "Wavelet-Based Histograms for Selectivity Estimation." Proceedings of the 1998 ACM SIGMOD Int. Conf. On Management of Data, pages 448-459, June 1998.
	A. Oppenheim and A. Willsky, "Signals and Systems." Prentice Hall, Signal Processing Series, pages 359-373, 1st Ed., 1983; 2nd Ed. 1997.
	V. Poosala and Y. Ioannidis, "Selectivity Estimation Without the Attribute Value Independence Assumption." Proceedings of VLDB, Athens, Greece, pages 486-495, August 1997.
	D. Sankoff and J. Kruskal, "Time Warps, String Edits and Macromolecules: The Theory and Practice of Sequence Comparison." Addison-Wesley, Reading, Massachusetts, pages 1-39 (1983).
	J. Vitter and M. Wang, "Approximate Computation of Multidimensional Aggregates on Sparse Data Using Wavelets." Proceedings of SIGMOD, pages 193-204, June 1999.
	J.S. Vitter, et al., "Data Cube Approximation and Histograms via Wavelets." Proceedings of the 1998 ACM CIKM Int. Conf. On Information and Knowledge Management, pages 96-104, November 1998.
	R. Durbin, et al., "Biological Sequence Analysis: Probabilistic Models of Proteins and Nucleic Acids." Cambridge University Press, pages 1-10, 1998.
	P. Indyk and R. Motwani, "Approximate Nearest Neighbors: Towards Removing the Curse of Dimensionality." 30th Symposium on the Theory of Computing, pages 604-613, September 1998.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with M.P.E.P. 609; strike out citation if not in conformance and not considered. Include copy of this form with next communication to applicant.